

FIGURE 1A

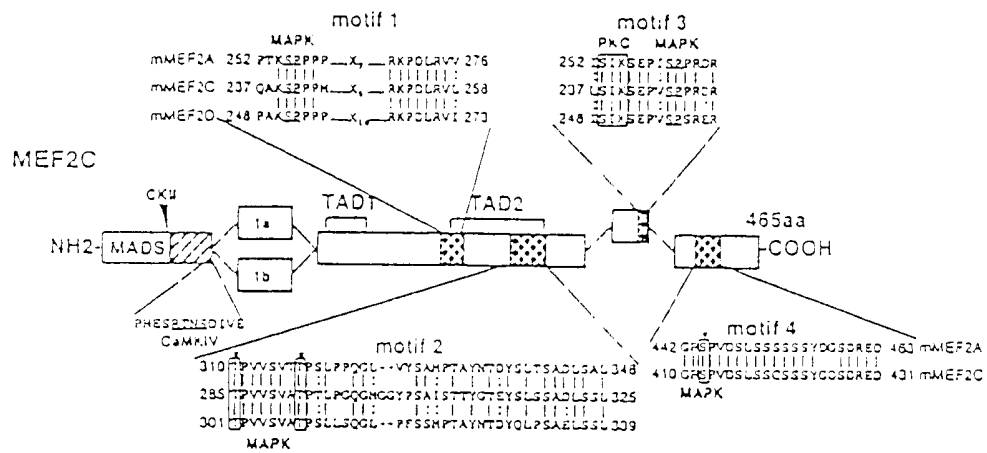


FIGURE 1B

[illegible]

FIGURE 2A

MGRKKIQITRIMDERNRQVTFTKRKEGLMKKAYELSVLCCCEIALIIFNSSNKLFQYASTDM
DKVLLKYTEYNEPHESRTNSDIVEALNKKEHRGODSPCPOTSYVLTPTHTEKYKKINEEFDN
MMRNHKKIAPGLPPQNFMSVTVPVTSFNALSNTNPGSSLVSPSLAASSTLTSSMSPPPQTT
LHRNVSPGAPQRRPPSTGNAGGMLSTTDLTVPNGAGSSFVGNGFVNSRASPNLIGATGANSIG
KVMPTKSPPPPGGGLGMNSRKPDLRVVIPTSSKGMMPPLSEEELELNTQRISSSQATQPL
ATPVVSVTTPLPPQGLVYSAMPTAYNTDYSLTSAOLBALQGFNSPGMLSLGQVSAWQQHHL
GQAALSSSLVAGGQLSQGSNLSINTNQNISIKSEPISPPRDRMTPSGFEQQQQQQQQQQQPPPP
PQPQPQPQPQPQRQEMGRSPVDSLSSSSSSSYDGSOREDPRGDFHSPIVLGRPPNTEDRESPS
VKRMMDAWVT

FIGURE 2B

FIGURE 3A

MGRKKIQISRILDQNRNQVTFTKPKFGLMKKAYELSVLCDCETALIIFNSANRLFQYASTDM
DRVLLKYTEYSEPHESRTNTDILETLKRRGIGLDGPELEPDEGPPEEPGEKFRRLAGEGGDPA
LPRPRLYPAAPAMPSPDVVYGALPPPCCDPSGLGEALPAQSRPSPFRPAAPKAGPPGLVHPL
FSPSHLTSKTPPPLYLPTEGRRSDLPGGLAGPRGGLNTSFSLYSGLQNPSTATPGPPLGSF
PFLPGGPPVGAELAWARRVPQPAAPRRPPQSASSLSASLPFGAPATFLRPSPIPCSSPGPW
QSLCGLGPPCAGCPWPTAGPGRRSPGGTSPERSPGTARAGDPTSLQASSEKTQQ

FIGURE 3B

FIGURE 4A

FIGURE 4A CONTINUED

FIGURE 4B

[illegible]

FIGURE 5A

The figure consists of ten vertically stacked plots sharing a common x-axis representing time t from 0 to 100. Each plot displays one or more variables over time.

- Plot 1:** Shows four variables: S (solid blue line), I (dashed red line), R (dotted green line), and E (dash-dot purple line). S decreases from approximately 98 to 95. I peaks at about 1 around $t = 20$. R increases from 1 to approximately 97. E remains very close to zero throughout.
- Plot 2:** Shows $\beta(t)$ as a solid blue line, which starts near zero and increases steadily to approximately 0.001 by $t = 100$.
- Plot 3:** Shows $\alpha(t)$ as a solid blue line, following a similar increasing trend to $\beta(t)$, reaching approximately 0.001 by $t = 100$.
- Plot 4:** Shows $\gamma(t)$ as a solid blue line, also increasing from near zero to approximately 0.001 by $t = 100$.
- Plot 5:** Shows $\delta(t)$ as a solid blue line, continuing the pattern of increase to approximately 0.001 by $t = 100$.
- Plot 6:** Shows $\epsilon(t)$ as a solid blue line, increasing to approximately 0.001 by $t = 100$.
- Plot 7:** Shows $\zeta(t)$ as a solid blue line, increasing to approximately 0.001 by $t = 100$.
- Plot 8:** Shows $\eta(t)$ as a solid blue line, increasing to approximately 0.001 by $t = 100$.
- Plot 9:** Shows $\theta(t)$ as a solid blue line, increasing to approximately 0.001 by $t = 100$.
- Plot 10:** Shows $\phi(t)$ as a solid blue line, increasing to approximately 0.001 by $t = 100$.

24

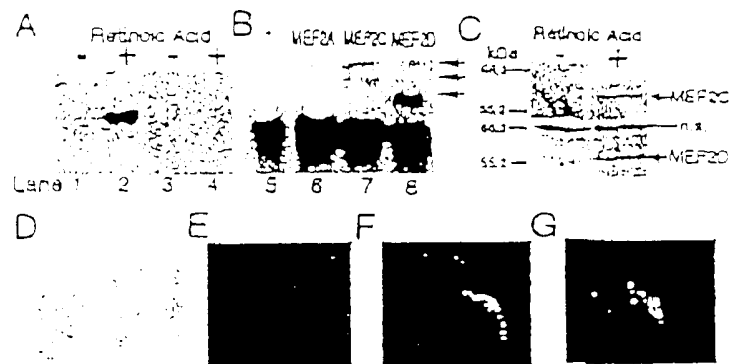


FIGURE 6

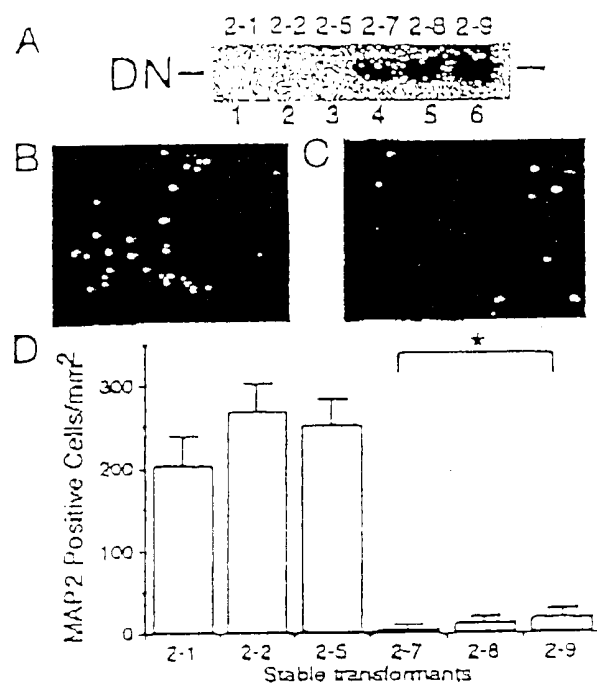


FIGURE 7

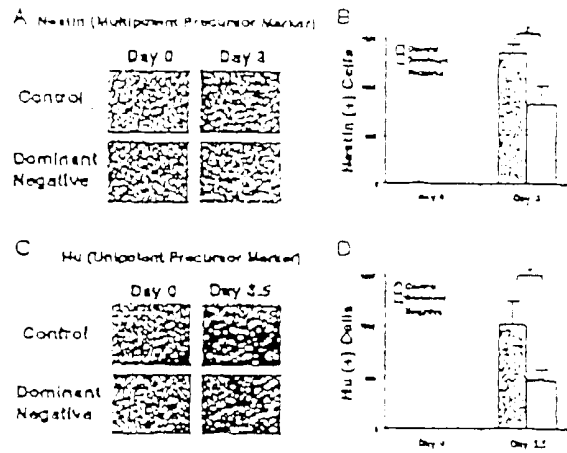


FIGURE 8

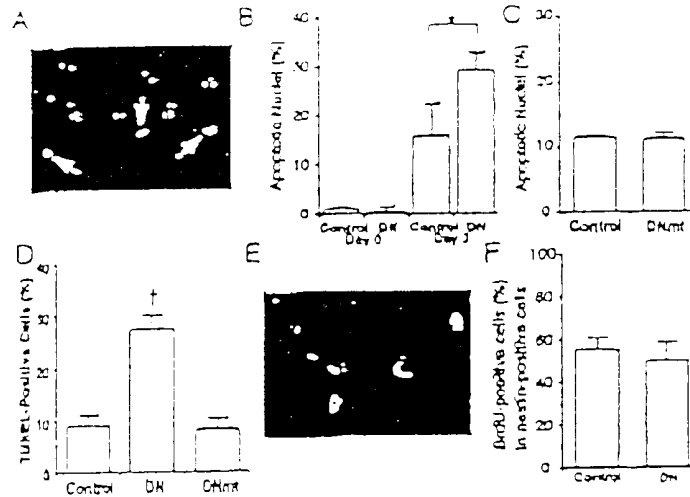


FIGURE 9

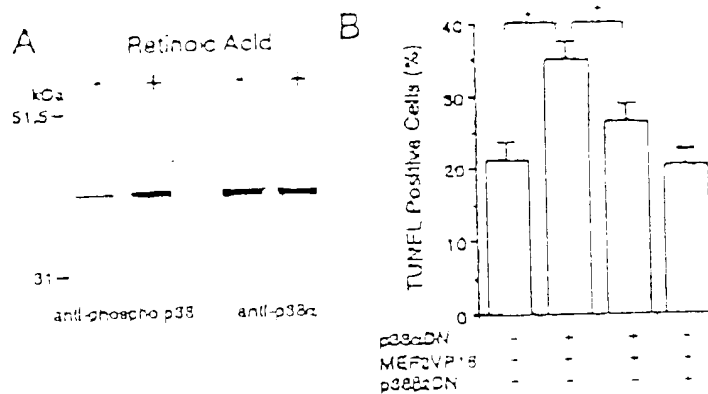


FIGURE 10